



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO

Complete if Known

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

|       |   |    |   |                        |              |
|-------|---|----|---|------------------------|--------------|
| Sheet | 1 | of | 2 | Attorney Docket Number | 64603(70904) |
|-------|---|----|---|------------------------|--------------|

**U.S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No.* | Document Number<br>Number-Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------|---|--------------------------------|--|---|
|--------------------|-----------|---|--------------------------------|--|---|

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No.* | Foreign Patent Document<br>Country Code <sup>2</sup> -Number <sup>3</sup> -Kind Code <sup>4</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages or Relevant<br>Figures Appear | T <sup>5</sup> |
|--------------------|-----------|--|--------------------------------|--|---|----------------|
|                    | B1        | JP 2003-325167   | 11/18/03                       | Japan Science & Technology Corp.                   |   |                |
|                    | B2        | WO 01/58460  | 08/16/01                       | The Schepens Eye Research Institute, Inc.          |   |                |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

**NON PATENT LITERATURE DOCUMENTS**

|                   |  |   |                |
|-------------------|--|---|----------------|
| Examiner Initials | Cite No. <sup>1</sup>  | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
| CA                | TEMPLE, S., "The Development of Neural Stem Cells", Nature Vol. 414, November 1, 2001 pp. 112-117.   |   |                |
| CB                | AHMAD, I. et al., "Identification of Neural Progenitors in the Adult Mammalian Eye", Biochem. and Biophys. Res. Commun. Vol. 270 (2000), pp. 517-521.  |   |                |
| CC                | ZHAO, S. et al., "In Vitro Transdifferentiation of Embryonic Rat Retinal Pigment Epithelium to Neural Retina", Brain Research Vol. 677 (1995) pp. 300-130.   |   |                |
| CD                | DUTT, K. et al., "Transdifferentiation of Adult Human Pigment Epithelium into Retinal Cells by Transfection with an Activated H-ras Proto-Oncogene", DNA and Cell Biology Vol. 12, No. 8, (1993) pp. 667-673.                        |   |                |
| CE                | ZHAO, X. et al., "Differentiation of Embryonic Stem Cells into Retinal Neurons", Biochem. And Biophys. Res. Commun. Vol. 297 (2002), pp. 177-184.  |   |                |
| CF                | TURNER, D.L. et al., "A Common Progenitor for Neurons and Glia Persists in Rat Retina Late in Development", Nature Vol. 328, July 9, 1987, pp. 131-136.  |   |                |
| CG                | AKAGI, T. et al., "Different Characteristics of Rat Retinal Progenitor Cells from Different Culture Periods", Neuroscience Letters 341 (2003) pp. 213-216  |   |                |
| CH                | REYNOLDS, B.A. and WEISS, S., "Generation of Neurons and Astrocytes from Isolated Cells of the Adult Mammalian Central Nervous System", SCIENCE, Vol. 255, 27 March 1992, pp. 1707-1710.   |   |                |
| CI                | LAYER, P.G. et al., "Inductive Effects of the Retinal Pigmented Epithelium (RPE) on Histogenesis of the Avian Retina as Revealed by Retinospheroid Technology", Seminars in CELL & DEVELOPMENTAL BIOLOGY, Vol. 9 (1998) pp. 257-262. |   |                |

|                    |              |                 |            |
|--------------------|--------------|-----------------|------------|
| Examiner Signature | /Aditi Dutt/ | Date Considered | 12/27/2008 |
|--------------------|--------------|-----------------|------------|



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/A/B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

2

of

2

**Complete if Known**

|                        |                  |         |
|------------------------|------------------|---------|
| Application Number     | 10/559,784       |         |
| Filing Date            | December 8, 2005 |         |
| First Named Inventor   | Mitsuko Kosaka   |         |
| Art Unit               | N/A 1649         |         |
| Examiner Name          | Not Yet Assigned | A. Dutt |
| Attorney Docket Number | 64603(70904)     |         |

**NON PATENT LITERATURE DOCUMENTS (Cont.)**

|    |  |  |
|----|--|--|
| CJ | HOPERSKAYA, Olga A., et al., "Transdifferentiation of Adult Frog Iris in Retina or Lens by Exogenous Influences", Develop. Growth and Differ., Vol. 23, No. 3 (1981) pp 201-213.                               |  |
| CK | TROPEPE, Vincent et al., "Retinal Stem Cells in the Adult Mammalian Eye", SCIENCE, Vol. 287, March 17, 2000, pp. 2032-2036.  |  |
| CL | KOSAKA, Mitsuko et al., "In Vitro Culture System for Iris-Pigmented Epithelial Cells for Molecular Analysis of Transdifferentiation", Experimental Cell Research 245, Article No. EX984211 (1998) pp. 245-251. |  |
| CM | HARUTA, Mastoshi et al., "Induction of Photoreceptor-Specific Phenotypes in Adult Mammalian Iris Tissue", Nature Neuroscience, Volume 4, No. 12, December 2001, pp. 1163-1164.                                 |  |
| CN | Copy of International Search Report dated 09-07-2004 for corresponding Application No. PCT/JP2004/008222 (English & Japanese Translations)   |  |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>a</sup>Applicant's unique citation designation number (optional). <sup>b</sup>Applicant is to place a check mark here if English language Translation is attached.

|                    |              |                 |            |
|--------------------|--------------|-----------------|------------|
| Examiner Signature | /Aditi Dutt/ | Date Considered | 12/27/2008 |
|--------------------|--------------|-----------------|------------|